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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 3081.93US01

Michael Kempe et al.

Confirmation No.: 2397

Application No.: 10/511,422

Examiner: Unknown

Filed: October 14, 2004

Group Art Unit: Unknown

For: FIBRE-LASER COMPRISING A MODE-SELECTIVE CAVITY MIRROR

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
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P.O. Box 1450
Alexandria, VA 22313-1450

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Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. This information is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,



Douglas J. Christensen
Registration No. 35,480

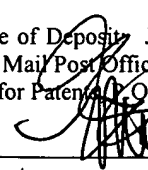
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Name of Person Making Deposit


Signature

Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	
Filing Date	October 14, 2004
First Named Inventor	Michael Kempe
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	3081.93US01

Sheet 1 of 3

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
		US-5,422,897	06/06/1995	Wyatt et al.
		US-6,324,326 B1	11/27/2001	Dejneka et al.
		US-6,834,061 B2	12/21/2004	Hugnard et al.
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
		WO 02/05394 A1	01/17/2002	Huignard	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Substitute for form 1449/PTO				Application Number 511/422	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date October 14, 2004	
				First Named Inventor Michael Kempe	
				Art Unit Unknown	
				Examiner Name Unknown	
Sheet	2	of	3	Attorney Docket Number 3081.93US01	
NON PATENT LITERATURE DOCUMENTS					
EXAMINER INITIAL*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		GRIEBNER et al., "Efficient laser operation with nearly diffraction-limited output from a diode-pumped heavily Nd-doped multimode fiber," <u>OPTICS LETTERS</u> , Vol. 21, No. 4, pgs. 266-268 (February 15, 1996).			
		ZELLMER et al., "Fiber lasers – compact laser light sources for the near infrared spectral range," <u>Laser und Optoelektronik</u> , pgs. 53-59 (4/29/1997).			
		MIYAMOTO, "Output Beam from a Confocal Resonator with a Pinhole for Mode Selection," <u>APPLIED OPTICS</u> , Vol. 11, No. 9, pgs. 2040-2046 (September 1972).			
		HODGSON et al., "Degenerated confocal resonator," <u>APPLIED OPTICS</u> , Vol. 32, No. 18, pgs. 3190-3200 (June 20, 1993).			
		AIT-AMEUR, "Transverse mode selection in resonator with a super-Gaussian aperture," <u>J. Modern Optics</u> , Vol. 40, No. 9, pgs. 1833-1838 (1993).			
		TOWNSEND et al., "Unobscured unstable resonator design for large bore lasers," <u>Mirrors and Windows for High Power/High Energy Laser Systems</u> , Proc. SPIE, Vol. 1047, 184-188, pgs. 314-318 (1989).			
		YASUI et al., "Negative-branch unstable resonator with a phase unifying output coupler for high power Nd:YAG lasers," <u>APPLIED OPTICS</u> , Vol. 29, No. 9, pgs. 1277-1280 (March 20, 1990).			
		CHEN et al., "An unstable confocal resonator with unitized output coupling," <u>Optics Communications</u> , Vol. 100, no. 5, 6, pgs. 467-472 (1993).			
		PARE et al., "Custom Laser Resonators Using Graded-Phase Mirrors," <u>IEEE J. OF QUANTUM ELECTRONICS</u> , Vol. 28, No. 1, pgs. 355-362 (January 1992).			
		ZEITNER et al., "High modal discrimination for laser resonators with Gaussian output beam," <u>J. Modern Optics</u> , Vol. 40, No. 9, pgs. 1309-1314 (1999).			
		FARAHBOD et al., "Performance of Nd:YAG lasers in coupled generalized self-filtering and positive-branch unstable resonators," <u>APPLIED OPTICS</u> , Vol. 38, No. 21, pgs. 4516-4527 (July 20, 1999).			
EXAMINER SIGNATURE		DATE CONSIDERED			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.</p> <p>This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</p> <p>If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.</p>					

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number		1/511, 422	
				Filing Date		October 14, 2004	
				First Named Inventor		Michael Kempe	
				Art Unit		Unknown	
				Examiner Name		Unknown	
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Sheet	3	of	3				

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EXAMINER INITIAL*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		IMAI et al., "Speckle contrast of laser light transmitted through multimode optical fiber," <u>Optik</u> , Vol. 18, No. 3, pgs. 335-340 (1977).	
		DE SILVESTRI et al., "Lasers with Super-Gaussian Mirrors," <u>IEEE J. OF QUANTUM ELECTRONICS</u> , Vol. 26, No. 9, pgs. 1500-1509 (September 1990).	
		McCARTHY et al., "Optical resonators with Gaussian reflectivity mirrors: output beam characteristics," <u>APPLIED OPTICS</u> , Vol. 23, No. 21, pgs. 3845-3850 (November 1, 1984).	

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